

Diagnostics

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2001	5	4	3	Run Report	US	Japan	UK	Europe	Global
Estimated v. Actual Portfolio Returns					<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Outliers					<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Cross-sectional Volatility					<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Corporate Actions					<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Unknown Securities					<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Split Calendar					<input type="radio"/>				
FX Rates Outliers									<input type="radio"/>
Related Links									
CBOE Merger & Split Bulletin									
NASDAQ Recent IPO Filings									
Yahoo! IPOs									

FIG. 4

2008/05/20 5:06:43 PM

Estimated (aka W ' R) v. Actual Portfolio Returns : Japan

Home > Data > Diagnostics > Estimated v. Actual Returns

Definitions:

- **Estimate** = Estimated account total return based upon PACE market data.
- **Actual** = Actual account total return as reported by IPVO.
- **Bps Diff** = |Estimate - Actual|
- **Assets** = Change in number of assets in an account, (Assets[t] - Assets[t-1])

Click on the Portfolio Name to view information (e.g., issuers name, PACE ID, CUSIP and/or SEDOL, Price, Shares, Total Return, Dividends) for each constituent.

Portfolio Name	Portfolio ID	Estimate	Actual	Bps Diff	Assets
Kampo Japan Quants Equity	350996	0.708	n/a	n/a	-1
JR Hokkaido	350955	1.068	n/a	n/a	0
Japan Telecommunications Welfare Assn. (TELWEL)	350949	1.060	n/a	n/a	0
Nenpuku-LPS	350948	1.104	n/a	n/a	0
Japan Active Equity Portfolio (Pooled)	350340	1.106	n/a	n/a	0
GS Japanese Equity Fund (Onshore)-Ushiwakamaru	350330	1.033	n/a	n/a	0
Nippon Steel	350042	1.064	n/a	n/a	0
Tokyo Electric Power QPF	350026	1.073	n/a	n/a	0
CSK Employees Pension Fund	350025	0.791	n/a	n/a	0
Canon Pension Fund	350003	1.049	n/a	n/a	0
Melco Pension Trust	350001	1.081	n/a	n/a	0
LINCOLN JAPAN LIFE	170210	1.122	n/a	n/a	0
MINEWORKERS JAPAN EQUITY	100832	0.972	n/a	n/a	-1
STAFF JAPAN EQUITY	100807	0.975	n/a	n/a	0
PUBLIC INSTITUTION FOR SOCIAL SECURITY	100312	1.070	n/a	n/a	0
KDDI	100238	1.076	n/a	n/a	0
GS Japanese Equity Fund	100222	1.090	1.673	58	0
GS Japanese Equirt Fund (onshore)-Ushi 2	350331	0.985	1.031	4	0
TOPIX	664	0.879	0.861	1	0
Issunboshi GS Japan Microcap	350339	0.829	0.845	1	0
Japan CORE Equity Fund	300977	0.679	0.690	1	0
GS Japan Portfolio (UCITS) Fund	100084	1.063	1.054	-	0
MSCI JAPAN	661	0.942	0.949	-	0
GS Japan Small Cap Fund	100087	0.713	0.718	-	0
Russel NR1 Small Cap	663	0.522	0.517	-	0

Fig. 5

Constituent data for GS Japanese Equity Fund as of 20010521

Click on the PACE IDs for historical security data.

Issuer	PACE ID	Synonym	Price	Shares	Ratio	Dividend	Spill
ASAHI KASEI CORP	<u>25655</u>	'6054603	602.0000	149000	0.0067	-	-
ASAHI GLASS CO	<u>25931</u>	'6055208	1082.0000	82000	0.0065	-	-
BANDAI CO	<u>26673</u>	'6075057	3890.0000	18200	0.0104	-	-
BANYU PHARM	<u>25836</u>	'6077309	2305.0000	37000	-0.0171	-	-
TOPPAN FORMS	<u>28179</u>	'6105028	2045.0000	45900	0.0074	-	-
SUMITOMO REAL EST	<u>28186</u>	'6119449	3530.0000	4900	0.0173	-	-
NIPPON MINING & ME	<u>28199</u>	'6123202	730.0000	74000	0.0238	-	-
NTT DOCOMO	<u>28219</u>	'6129277	2500000.0000	172	0.0040	-	-
FUNAI ELECTRIC CO	<u>28245</u>	'6141550	9400.0000	4500	-0.0021	-	-
USS	<u>28286</u>	'6171494	3990.0000	300	-0.0124	-	-
CANON INC	<u>26629</u>	'6172323	5190.0000	38000	0.0058	-	-
CHIBA BANK	<u>26961</u>	'6190563	530.0000	78000	0.0134	-	-
YOSHINOYA D&C CO	<u>25345</u>	'6211851	178000.0000	410	-0.0166	-	-
DDI CORP	<u>27628</u>	'6248990	589000.0000	109	0.0867	-	-
DAIWA SECS GROUP	<u>27075</u>	'6251448	1394.0000	77000	0.0138	-	-
DOWA MINING CO	<u>26063</u>	'6278306	565.0000	125000	0.0561	-	-
MIZUHO HLDGS	<u>44966</u>	'6286280	699000.0000	144	-0.0029	-	-
EAST JAPAN RAILWAY	<u>27641</u>	'6298542	667000.0000	155	-0.0045	-	-
UFJ HLDGS	<u>85771</u>	'6335223	823000.0000	90	-0.0167	-	-
FUJI PHOTO FILM CO	<u>25882</u>	'6356525	5100.0000	27000	0.0262	-	-
FUJITEC CO	<u>26296</u>	'6356826	500.0000	71000	0.0142	-	-
HONDA MOTOR CO	<u>26583</u>	'6435145	5280.0000	18000	-0.0038	-	-
AIR WATER	<u>25752</u>	'6441465	579.0000	8000	0.0140	-	-
KANEBO	<u>25618</u>	'6483241	369.0000	97000	0.0453	-	-
KANEKA CORP	<u>25774</u>	'6483360	1115.0000	100000	0.0353	-	-
KAO CORP	<u>25822</u>	'6483809	3140.0000	43000	0.0096	-	-
KATOKICHI CO	<u>25596</u>	'6484244	3140.0000	22300	-0.0485	-	-
KEYENCE CORP	<u>26460</u>	'6490995	28360.0000	3000	0.0071	-	-
KIRIN BREWERY CO	<u>25562</u>	'6493745	1129.0000	52000	0.0098	-	-
KOMERI CO	<u>26885</u>	'6496250	2860.0000	12900	0.0142	-	-

FIG. 6

20080220 50648001

This diagnostic reports all outliers for a given market.

- NORETURN : 13057 45812C10 INTEGRATED HEALTH SVCS INC
- NORETURN : 13375 98141A10 WORLD ACCESS INC
- NORETURN : 13377 97551510 WINSTAR COMMUNICATIONS INC
- NORETURN : 14137 86707110 SUNBEAM CORP
- NORETURN : 15138 59164710 METROCALL INC
- NORETURN : 16899 26915310 E SPIRE COMMUNICATIONS INC
- NORETURN : 17668 33763B10 FIRSTPLUS FINL GROUP INC
- NORETURN : 18257 5624410 MARCHFIRST
- NORETURN : 18447 89432710 PACIFIC GATEWAY EXCHANGE INC
- NORETURN : 18558 86787D10 SUNTERRA CORP
- NORETURN : 18790 92552920 VIATEL INC
- NORETURN : 18805 24791810 DELTA FINL CORP
- NORETURN : 19796 87959Y10 TELIGENT INC

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Time series data for PACE ID 18257

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Date	AF	TP	VOL	USO	PIV	
2000-09-11	20.812500	1.000000	-0.011861	766442	150214000	0.000
2000-09-12	20.062500	1.000000	-0.036036	476886	150214000	0.000
2000-09-13	19.250000	1.000000	-0.040498	405615	150214000	0.000
2000-09-14	20.000000	1.000000	0.038961	533842	150214000	0.000
2000-09-15	18.687500	1.000000	-0.065625	1234148	150214000	0.000
2000-09-18	17.625000	1				
2000-09-19	18.062500	1				
2000-09-20	18.437500	1				
2000-09-21	17.875000	1				
2000-09-22	17.375000	1				
2000-09-25	15.875000	1				
2000-09-26	15.750000	1				
2000-09-27	14.125000	1				
2000-09-28	16.000000	1				
2000-09-29	15.687500	1				
2000-10-02	15.062500	1				
2000-10-03	14.375000	1				
2000-10-04	13.250000	1				

Update Data

Home - Data

Date	2000-09-11
PACE ID	18257
Attribute	UCP
Current Value	20.812500
New Value	

Update Data

[Home](#) - [Data](#)

Date
 PACE ID
 Attribute
 Current Value
 New Value
 Password

Fig. 7

Cross-sectional Volatility : U.S.

Home > Data > Diagnostics > Cross-sectional Volatility

Click on the dates to report total return outliers.

Date	Cross-Sectional Vol	Number of Securities
20010521	5.947	7955
20010518	4.798	7951
20010517	8.507	7914
20010516	7.261	7919
20010515	5.385	7918
20010514	6.642	7925
20010511	6.343	8038
20010510	5.994	8040
20010509	5.278	8042
20010508	6.100	8042
20010507	5.617	8039
20010504	5.290	8043

Total Return Outliers : U.S. : 20010517

Home > Data > Diagnostics > Cross-sectional Volatility > Total Return Outliers

Issue	Synonym	Total Return	Outlier Size Pct
INTERSHOP COMM AG	46069W10	-0.681818	4.812
COLLEGELINK COM INC	19453510	-0.500000	0.031
ADAPTIVE BROADBAND CORP	00650M10	-0.479592	3.188
NETWORK ENGINES INC	64121A10	-0.455224	2.281
ANC RENT CORP	00181310	-0.428571	2.000
COMMTouch SOFTWARE LTD	M2559610	-0.419355	2.250
OSAGE SYSTEMS GROUP INC	68773510	-0.416667	0.219
TUMBLEWEED COMMUNICATIONS CORP	89969010	-0.415525	10.000
ENHERENT CORP	29331310	-0.400000	0.562
MEDIABAY INC	58446110	-0.334645	1.000

20010409	6.864	8125
20010406	6.643	8123
20010405	10.277	8113
20010404	7.690	8123
20010403	9.506	8129
20010402	7.052	8134
20010330	7.753	8143
20010329	7.982	8143

FIG. 8

DataCenter

README	Portfolio Constituent Extractor	Data Diagnostics
<p>Data that you extract is comma delimited and will appear in your browser. You can Copy/Paste the data into Excel and use the following Excel menu option sequence to format the data properly: Data / Text to Columns / Delimited / Comma / Finish.</p> <p>When in doubt : click on the link in each section/function separator...the resulting page should explain how to use the function or what is in the section. For example, if you're not sure what the Security Matrix Extractor does or how to use it, then click on the link in the separator entitled Security Matrix Extractor.</p> <p>Direct all questions, comments, and requests to John Matero.</p>	<p>Date <input type="text"/> in CCYYMMDD format</p> <p>Portfolio ID <input type="text"/> use the Portfolio search tool on the left to locate a Portfolio ID</p> <p><input type="button" value="Extract"/></p>	<p>Portfolio Stats</p> <p>Date <input type="text"/> to <input type="text"/> in CCYYMMDD format</p> <p>Portfolio ID <input type="text"/> use the Portfolio search tool on the left to locate a Portfolio ID</p> <p><input type="button" value="Run"/></p>
<p>Search</p> <p>Issuer <input type="text"/></p> <p>Symbol <input type="text"/></p> <p>CUSIP <input type="text"/></p> <p>SEDOL <input type="text"/></p> <p>PACEID <input type="text"/></p> <p>Portfolio <input type="text"/></p> <p>Enter search string, then hit Enter</p>	<p>Security Matrix Extractor</p> <p>Date Range <input type="text"/> to <input type="text"/> dates in CCYYMMDD format</p> <p>Frequency <input checked="" type="radio"/> Daily <input type="radio"/> Monthly</p> <p>Security ID <input type="text"/></p> <p>Security ID Type <input type="radio"/> CUSIP <input type="radio"/> SEDOL</p> <p><input type="button" value="Extract"/></p>	<p>Documentation</p> <p>US</p> <p>Pricing Data from CRSP and FAME</p> <p>Split Processing</p> <p>Dividend Code Descriptions</p> <p>Corporate Actions Guide</p> <p>Data Inventory</p> <p>International</p> <p>Extel Trading Volume Data for International Equities</p> <p>Japanese Equity Data Coverage and Analysis</p> <p>Extel International Corporate Action Codes + Descriptions</p> <p>Extel Country Codes + Descriptions</p> <p>Official CCY-to-EUR Conversion Rates</p> <p>General</p> <p>How PACE defines and deals with outliers</p> <p>Monitoring Production</p>
	<p>Multiple Security Extractor (under construction)</p> <p>Date Range <input type="text"/> to <input type="text"/> dates in CCYYMMDD format</p> <p>Frequency <input checked="" type="radio"/> Daily <input type="radio"/> Monthly</p> <p>Series Type <input checked="" type="radio"/> Price <input type="radio"/> Total Return <input type="radio"/> Split</p> <p>Factor <input type="radio"/> Shares <input type="radio"/> Volume</p> <p><input type="radio"/> Dividend</p> <p>Security ID List <input type="text"/></p> <p><input type="button" value="Extract"/></p> <p>Health Warning: The Multiple Security Extractor is being developed. It works for US securities only. Currently, CUSIPs are the only acceptable security IDs.</p>	
	<p>Multiple Account Extractor</p> <p>Start Date <input type="text"/> in CCYYMMDD format</p> <p>Portfolio ID List <input type="text"/></p> <p><input type="button" value="Extract"/></p>	<p>Links</p> <p>PACE</p> <p>Data Diagnostics</p> <p>Synonym Maintenance</p> <p>Benchmark Maintenance</p> <p>Account Maintenance</p> <p>Autosys</p> <p>Batch Load Stats</p> <p>Upload files</p> <p>Related</p> <p>(Almost) Global Holiday Calendar</p> <p>EDGAR DB Search</p> <p>Yahoo Finance</p> <p>Yahoo IPO Calendar</p> <p>Yahoo Splits Calendar</p> <p>Stock Exchange Links</p>

FIG. 9

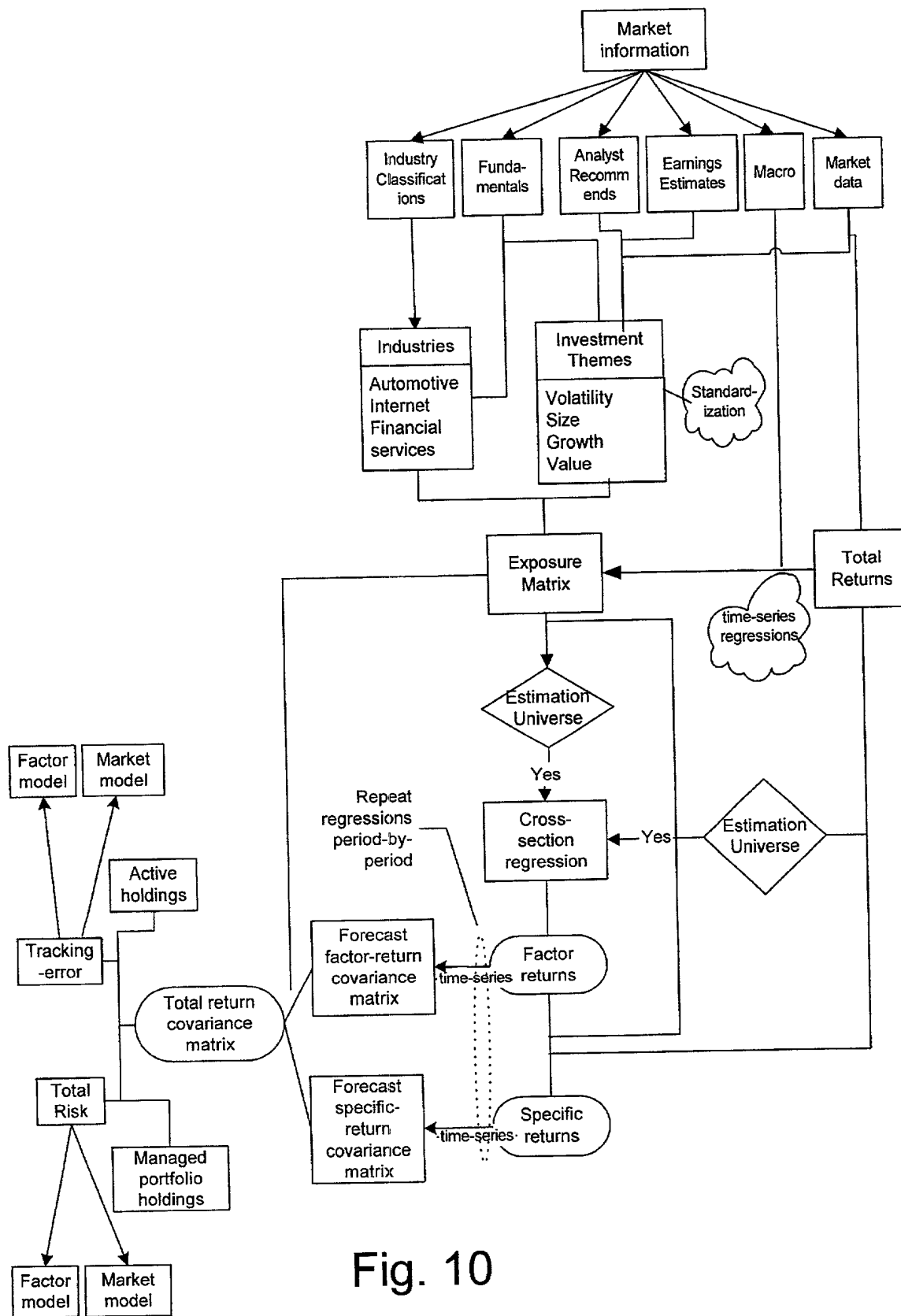


Fig. 10

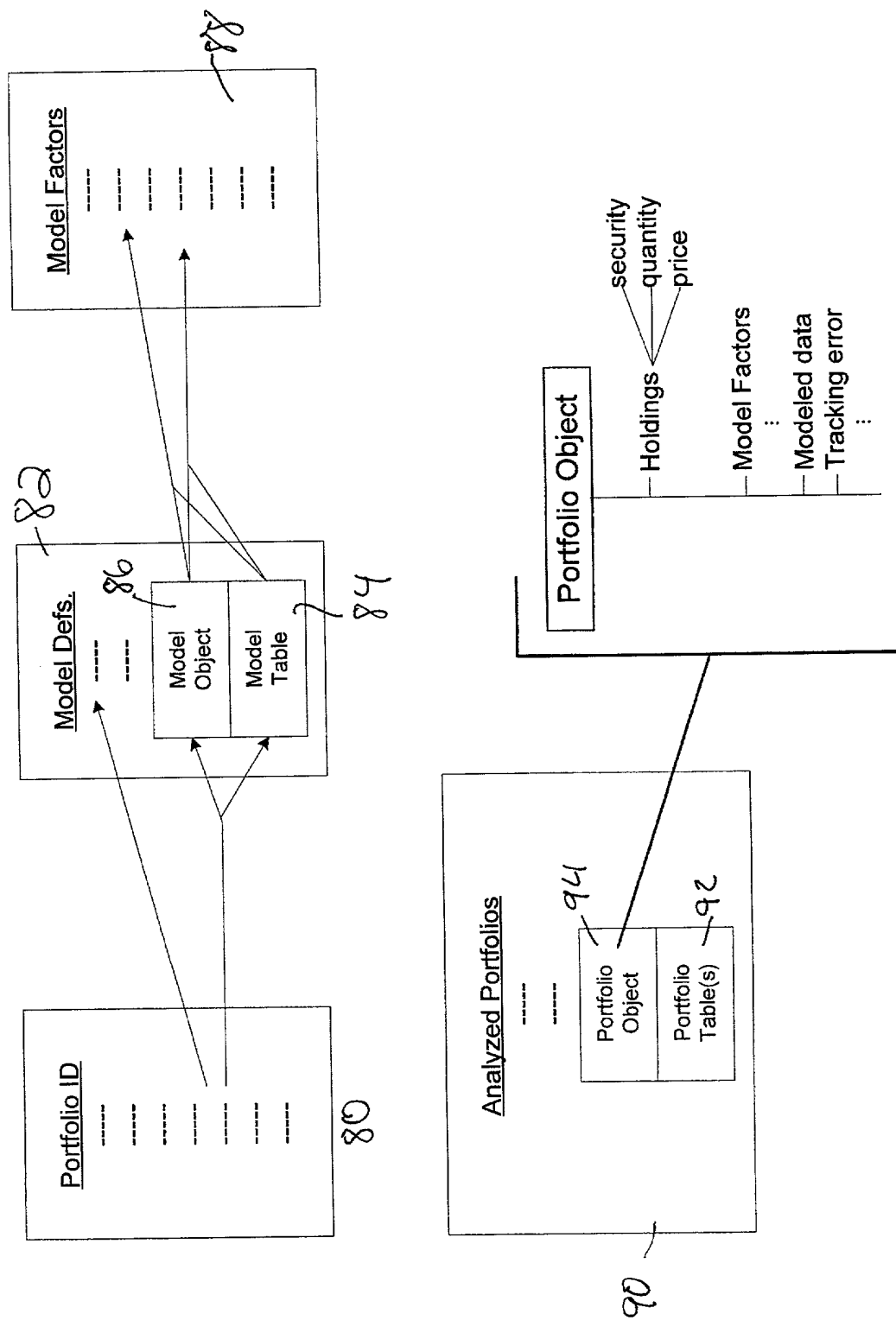


Fig. 11

Definition of model from *customPZ*(Horizon,factorlist,industryList,EstimWght, SpecShrink)

Structure	Field(1)	Field(2)	Field value
Model	.name.		'barra_month_10'
Model	.f.	EstimUniv	'barra'
		Risks	{1 x 13 cell}
		RiskNames	{1 x 13 cell}
		Sectors	{1 x 13 cell}
		SectorNames	{1 x 13 cell}
		Weights	'barra'
		Procedure	'barra'
		Name	'barra'
		Horizon	'daily'
		Beg	19730201
		End	20000114
		Cal	'Month'
		Industries	{1 x 52 double }
		Exposures	{1 x 65 double }
		RiskList	[1 2 3 4 5 6 7 8 9 10 11 12 13]
		IndustryList	{ 1 x 52 double }
		SectorsList	{ 1 x 13 cell }
		Dates	{6813 x 2 double }
		Periods	252
Model	.omega.	Name	'exp2014'
		Lag	4
		Half-life	20
		Min	100
		Max	100
Model	.delta.	Name	'exp20s10'
		Half-life	20
		Min	20
		Max	100
		Shrink	0.1000

FIG. 12

PACE portfolio object

All data elements required to do research and measure risk and return reside in a portfolio's object. The following is an example of fields of a portfolio object (i.e., the names of the fields). The object's name is 'Port'.

Port.name	
Port.permnos	
Port.weights	
Port.prices	
Port.amounts	
Port.holdings	
Port.portfoliovalue	
Port.portfolioexposure	
Port.mngd_loadings	
Port.mngd_return.StyleContrib	
. IndustryContrib	
. stck_loadings	
. CtyContrib	
. CcyContrib	
. FactorContrib	
. SpecificContrib	
. estimated_total	
. ipvo_total	
. modelerror	
. benchmark	
. market	
. WprimeR	
. assetcontribution	
. expected_market	
. market_timing	
. exceptional	
Port.mngd_risk	
Port.mngd_MC	
Port.Riskmodelname	
Port.ModelID	
Port.NumberofAssets	
Port.Percent_Cash	
Port.date	
Port.riskfree	
Port.asset_returns	
Port.liquidity	
Port.mkt_name	
Port.mkt_weights	
Port.mkt_permnos	
Port.premium	
Port.bm_name	
Port.bm_weights	
Port.bm_permnos	
Port.bm_holdings	
	Port.betas
	Port.active_weights
	Port.active_permnos
	Port.active_holdings
	Port.act_loadings
	Port.act_risk
	Port.act_MC
	Port.Delta
	Port.FactorCov
	Port.RiskFactorReturn
	Port.RiskSpecificReturn
	Port.RiskExposureMatrix
	Port.HotSpots
	Port.AttribFactorReturn
	Port.AttribSpecificReturn
	Port.AttribExposureMatrix
	Port.ImpliedView
	Port.realTE
	Port.realVol
	Port.turnover
	Port.XsectionVol
	Port.bias20day
	Port.bias60day
	Port.bias90day
	Port.IR
	Port.SR
	Port.multi_attrib
	Port.realBeta

FIG. 13

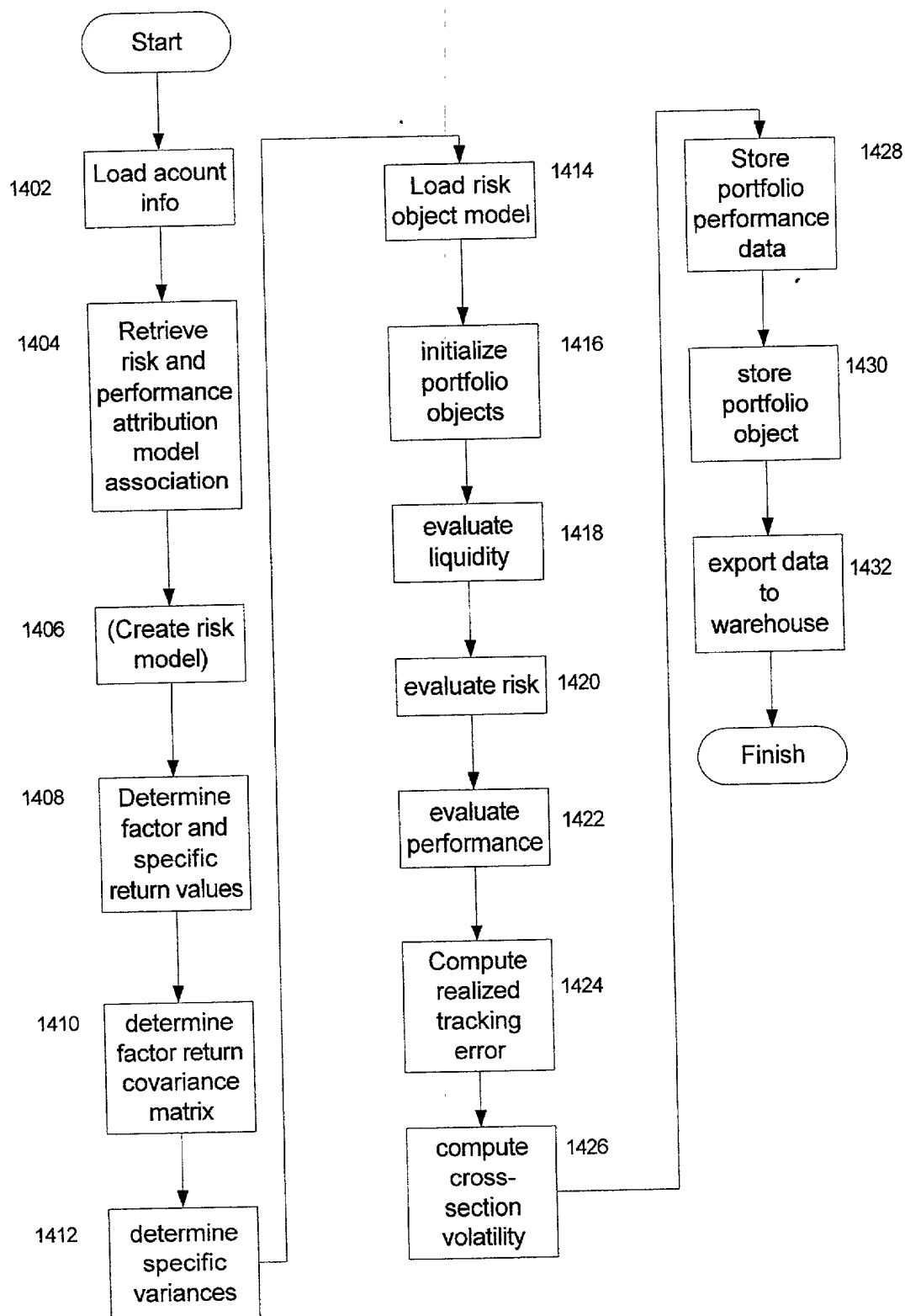


Fig. 14

Sample PACE Home Page

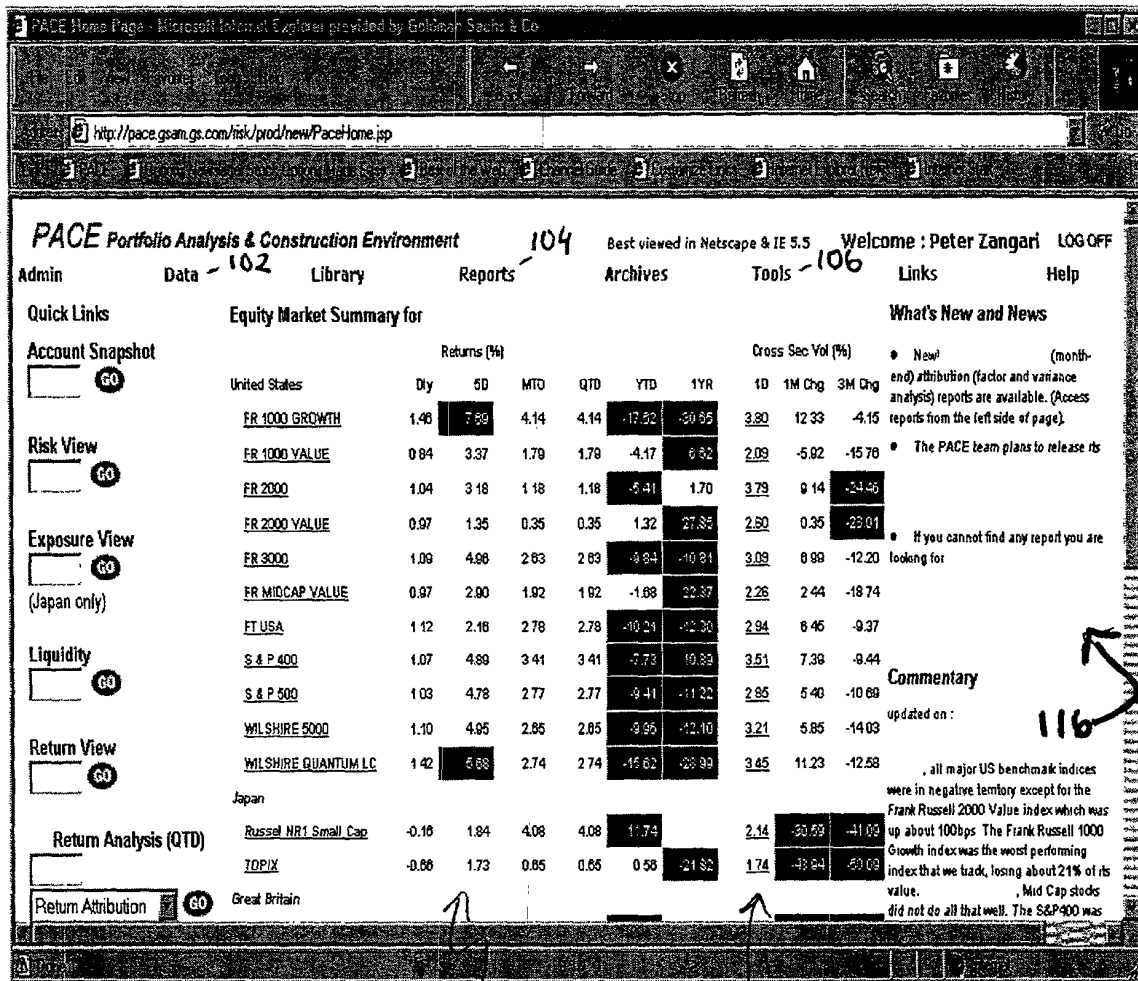


FIG. 15

Navigating the PACE home page

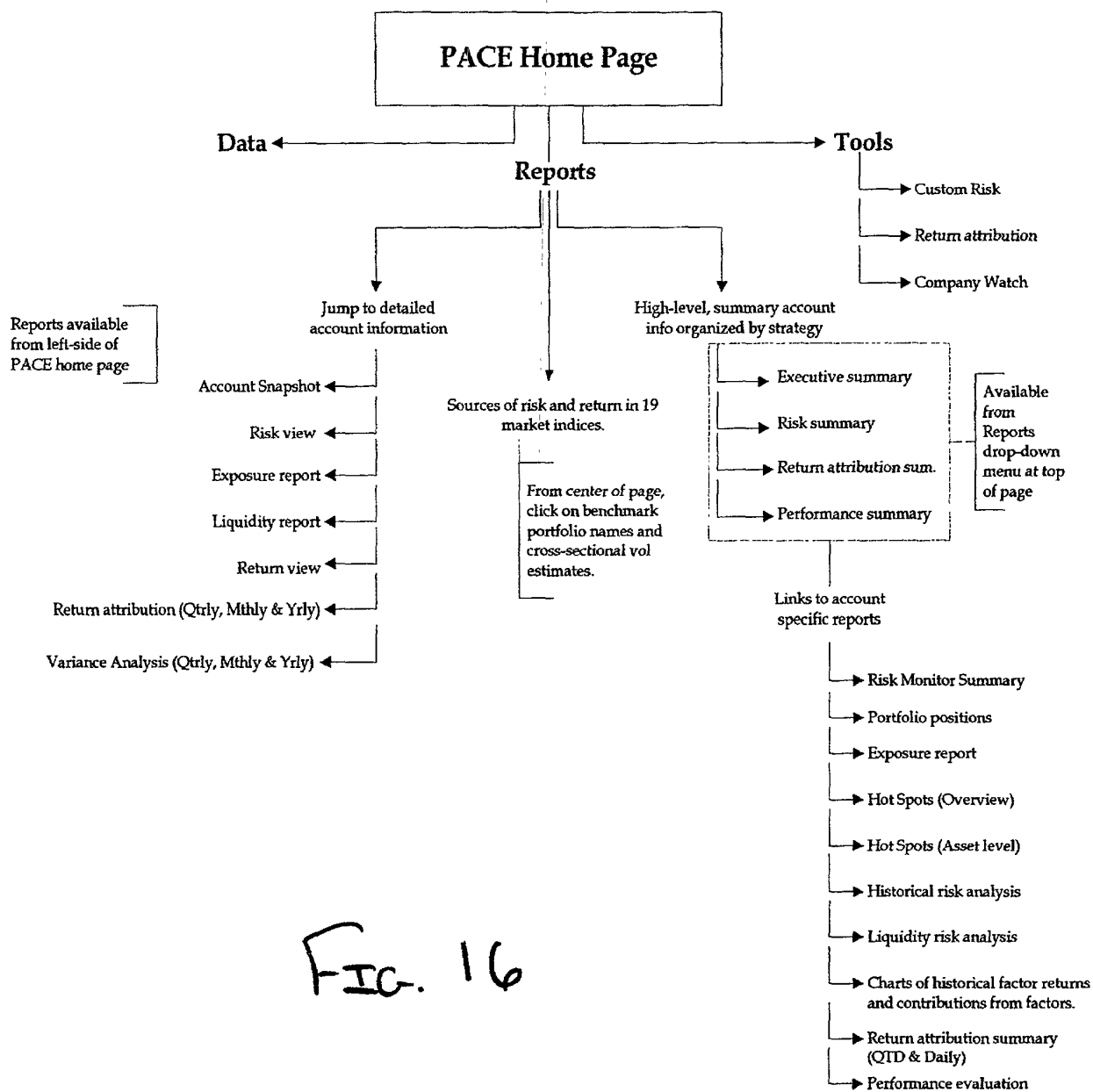


FIG. 16